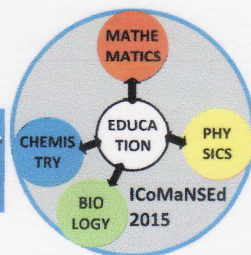


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**Annual Meeting of Mathematics and Natural Sciences Forum of
Indonesian Institutes of Teacher Training and Education
Personnel (MatricesFor IITTEP)**

In Conjunction With:

**International Conference on Mathematics, Natural Sciences,
and Education (ICoMaNSEd 2015)**

August 07-08, 2015, Aryaduta Hotel Manado, Indonesia

Book of Abstracts & Program



Theme:

**"Enhancement and Acceleration on Research and Learning in Mathematics and
Natural Sciences for the Utilization of Natural Resources"**

Supported and Coordinated by:



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WELCOME MESSAGE FROM EVENTS CHAIR



Best wishes to us

May God bless upon us

Assalamu'alaikum wa Rahmatullahi wa Barakatuh

Your excellency The President of Manado State University (UNIMA) Prof. Dr. Ph. E. A. Tuerah, M.Si., DEA., ladies and gentlemen, good morning and welcome to Manado, North Sulawesi, especially to Manado State University.

This seminar entitled the International Conference on Mathematics, Natural Sciences, and its Education (ICoMaNSEd): **Enhancement and Acceleration on Research and Learning in Mathematics and Natural Science for the Utilization of Natural Resources** is organized by Faculty of Mathematics and Natural Sciences, Manado State University, supported and coordinated by 12 members of Association of the Faculty of Mathematics and Natural Sciences from Teacher Program (LPTK).

Ladies and gentlemen, on behalf of the committee of this conference, I would like to thanks and give the highest appreciation to keynote speakers including:

1. Prof. David F. Treagust, Ph.D., FSB., FAERA (Curtin University, Perth, Australia)
2. Rebecca Johnson, MA (Columbia University, USA)
3. Ed van den Berg, Ph.D (Free University, Amsterdam, The Netherlands)
4. Assoc. Prof. Dr. Vichit Rangpan (Yala Rajabhat University, Thailand)
5. Prof. Dr. Syamsu Qamar Badu, M.Pd (State University of Gorontalo, Indonesia)

I would like also to give thanks and gratitude to the invited speakers from 12 universities including:

1. Assoc.Prof. Dr. Kamisah Osman (The National University of Malaysia)

2. Dr. Ir. Sri Nurdianti, M.
3. Prof. Ferdy S. Ron
- Salatiga, Indonesia)
4. Prof. Dr. Zulkardi,
- Indonesia)
5. Prof. Dr. Julius H. Lo
6. Prof. Drs. Manihar
- Indonesia)
7. Prof. Dr. Liliyasi,
- Indonesia)
8. Dr. Slamet Suyanto
9. Dr. Suharto Linuwih,
10. Prof. Dr. Subandi, M
11. Dr. Hj. Yuni Sri Raha
12. Suwardi Anas, M.Sc.

Now, I would like to special
this seminar.

Ladies and gentlemen, to be
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process, but is also involved
event to be a dissemination
Finally, I am delighted to th
been working very hard for t

Please enjoy the conference

Dr. Rymond J. Rumampuk, M

2. Dr. Ir. Sri Nurdianti, M.Sc (Bogor Agricultural University, Indonesia)
3. Prof. Ferdy S. Rondonuwu, Ph.D (Satya Wacana Christian University, Salatiga, Indonesia)
4. Prof. Dr. Zulkardi, M.I.Komp, M.Sc (Sriwijaya University, Palembang, Indonesia)
5. Prof. Dr. Julius H. Lolombulan, MS (Manado State University, Indonesia)
6. Prof. Drs. Manihar Situmorang, M.Sc., Ph.D (Medan State University, Indonesia)
7. Prof. Dr. Liliyasi, M.Pd (Indonesian Education University, Bandung, Indonesia)
8. Dr. Slamet Suyanto (Yogyakarta State University, Indonesia)
9. Dr. Suharto Linuwih, M.Si (Semarang State University, Indonesia)
10. Prof. Dr. Subandi, M.Si (Malang State University, Indonesia)
11. Dr. Hj. Yuni Sri Rahayu, M.Si (Surabaya State University, Indonesia)
12. Suwardi Anas, M.Sc., Ph.D (Makasar State University)

Now, I would like to special thanks to 156 speakers and all of participant required in this seminar.

Ladies and gentlemen, to be able to display text in the real international standard, required not only the international community of scientists involved in the research process, but is also involved in the process of publication. Therefore, I expect this event to be a dissemination of the lecturer researches.

Finally, I am delighted to thank to all the members of the committee who have been working very hard for the success of this conference.

Please enjoy the conference and enjoy in Manado city. Thank you very much.

Dr. Rymond J. Rumampuk, M.Si

111Chem Muharram, St. Nurzulaiha, Nurrahmania, IwanDini, Pince
Salempa and Maryono ✓

*Antibacterial Compounds Characterization in Chloroform
Extract Leaves of Tahiyam Plant (Lantana camaraLiin.)*

115Chem Dian H. O. Howan

*Sturcture-Activity Relationship (SAR) of Endocytosis
Inhibitors*

111Chem Dr. Pince Salempa, M.Si. ✓

*Screening Bioactive Compound of Stem Bark Soursop
(Annonamuricata Linn) Potential for Anti-Cancer*

113Chem Yuszda K. Salimi and Nurhayati Bialangi

*Phytochemical Constituents and Antioxidant Activity of
Binahong (Anrederacordifolia Ten. Steenis) Leaves*

122Chem Nurhayati Bialangi, Wenny J.A. Musa, and Chairunnisah
Lamangantjo

*Antifeedant Activity of Methanol Extract of Acorus calamus
Against Epilachna sparsa*

123Chem Weny Musa, Jusna Ahmad, and Chairunisah. J.
Lamangantjo

*Bioactive Compound From Derris elliptica (Roxb.) as
SynthecticPesticidies On Rice Is Esophageal Hama*

Paper ID 101Chem

**ANTIBACTERIAL COMPOUNDS CHARACTERIZATION IN CHLOROFORM
EXTRACT LEAVES OF TAHAYAM PLANT
(*Lantana Camara* Liin.)**

**Muharram^{1*}, St. Nurzulaiha², Nurrahmania³, Iwan Dini⁴, Pince Salempa⁵,
Maryono⁶**

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Makassar, Indonesia

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Abstract

The research has been conducted to determine the compound has antibacterial activity in chloroform extract of leaves of *Lantana camara* Linn.. Using the screening, isolation by column chromatography fractionation method and the structure was determined by IR and NMR. The results showed that the chloroform extract has bacterial activity and isolated two compounds where are 22- β -dimetilakriloloksi-3-oksooleana-12-ene-28-oat and pektolinarigenin flavonoid compounds. Both have the activity against *E. coli* and *S. aureus*.

Keywords: Antibacterial, *L. camara*. Linn., pektolinarigenin, Lantaden